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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-----------------------|----------------------|-------------------------|------------------|
| 10/083,372 | 02/27/2002 | Tatsuoki Kohno | 219995US0TTCRD | 4786 |
| 22850 7. | 22850 7590 05/11/2006 | | EXAMINER | |
| OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C. | | | WEINER, LAURA S | |
| ALEXANDRIA, VA 22314 | | | ART UNIT | PAPER NUMBER |
| | | | | |
| | | | DATE MAILED: 05/11/2006 | |

Please find below and/or attached an Office communication concerning this application or proceeding.

| | Application No. | Applicant(s) | | | | | |
|---|--|---|--|--|--|--|--|
| Office Action Symmony | 10/083,372 | KOHNO ET AL. | | | | | |
| Office Action Summary | Examiner | Art Unit | | | | | |
| TI MANUNO DATE CALL | Laura S. Weiner | 1745 | | | | | |
| The MAILING DATE of this communication app Period for Reply | ears on the cover sheet with the c | orrespondence address | | | | | |
| A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b). | ATE OF THIS COMMUNICATION 16(a). In no event, however, may a reply be tirr iii apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE | N. nely filed the mailing date of this communication. D (35 U.S.C. § 133). | | | | | |
| Status | | | | | | | |
| 1) Responsive to communication(s) filed on 27 Ma | arch 2006. | | | | | | |
| 2a) ☐ This action is FINAL . 2b) ☑ This | ☐ This action is FINAL . 2b) ☑ This action is non-final. | | | | | | |
| 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is | | | | | | | |
| closed in accordance with the practice under E | x parte Quayle, 1935 C.D. 11, 45 | 53 O.G. 213. | | | | | |
| Disposition of Claims | | ì | | | | | |
| 4)⊠ Claim(s) <u>1-4,6,8,10 and 12-22</u> is/are pending in the application. | | | | | | | |
| 4a) Of the above claim(s) 16-22 is/are withdrawn from consideration. | | | | | | | |
| 5) Claim(s) 10 and 12-15 is/are allowed. | | | | | | | |
| 6)⊠ Claim(s) <u>1-4,6 and 8</u> is/are rejected. | | | | | | | |
| · <u> </u> | 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. | | | | | | |
| o) Claim(s) are subject to restriction and/or | election requirement. | ı | | | | | |
| Application Papers | | | | | | | |
| 9)☐ The specification is objected to by the Examine | • | | | | | | |
| 10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. | | | | | | | |
| Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). | | | | | | | |
| Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. | | | | | | | |
| | ammer. Note the attached Office | Action of form F 10-132. | | | | | |
| Priority under 35 U.S.C. § 119 | | | | | | | |
| 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). | | | | | | | |
| a) ☐ All b) ☐ Some * c) ☐ None of: | | | | | | | |
| 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No | | | | | | | |
| 2. Certified copies of the priority documents3. Copies of the certified copies of the prior | | | | | | | |
| application from the International Bureau | • | i in this Hational Otage | | | | | |
| * See the attached detailed Office action for a list | , | ed. | | | | | |
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| Attachment(s) | | | | | | | |
| 1) 🔯 Notice of References Cited (PTO-892) | 4) Interview Summary | | | | | | |
| 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) | Paper No(s)/Mail Da | ate atent Application (PTO-152) | | | | | |
| Paper No(s)/Mail Date | 6) Other: | | | | | | |
| 2 Onto the different control of the | | | | | | | |

DETAILED ACTION

Response to Arguments

1. Applicant's arguments with respect to claims 1-4, 6, 8 have been considered but are most in view of the new ground(s) of rejection.

Election/Restrictions

2. Since applicant has received an action on the merits for the originally presented invention, this invention has been constructively elected by original presentation for prosecution on the merits. Accordingly, claims 16-22 are withdrawn from consideration as being directed to a non-elected invention. See 37 CFR 1.142(b) and MPEP § 821.03.

Claim Rejections - 35 USC § 102

Claim Rejections - 35 USC § 103

3. Claims 1-4, 6, 8 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over anticipated by Venkatasetty (4,522,690).

Venkatasetty teaches in column 1, lines 59-64, a nonaqueous, aprotic electrolyte system comprising 1.0 M LiClO4 in gamma-butyrolactone gelled with a small amount of polyethylene oxide (about 1% by weight based on the other constituents) [claimed range 0.01-10% by weight].

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Since Venkatasetty teaches the same electrolyte comprising a nonaqueous solvent gamma-butyrolactone, and a macromolecular material having the claimed formula, a polyethylene oxide in amount of 1% by weight then inherently the same electrolyte having a viscosity at 20 degrees C of 60-30,000 cP or 200-10,000 cP at a shear rate of 20 S⁻¹ or is a fluid exhibiting non-Newtonian properties or the ratio of ion conductivity to viscosity is less than 0.1 must also be obtained.

In addition, the presently claimed property of an electrolyte having a viscosity at 20 degrees C of 60-30,000 cP or 200-10,000 cP at a shear rate of 20 S⁻¹ or is a fluid exhibiting non-Newtonian properties or the ratio of ion conductivity to viscosity is less than 0.1 would have obviously have been present once the Venkatasetty product is provided. *In re Best, 195 USPQ 433 (CCPA 1977).*

Claim Rejections - 35 USC § 112

4. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 1 provides for the use of the nonaqueous electrolyte in a secondary battery. This makes claim 1 indefinite because the last 4 lines of claim 1 does not further add limitation to the electrolyte. An electrolyte cannot comprise a battery.

Allowable Subject Matter

5. Claims 10, 12-15 are allowed.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Laura S. Weiner whose telephone number is 571-272-1294. The examiner can normally be reached on M-F (6:30-4:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Patrick Ryan can be reached on 571-272-1292. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Laura S Weiner Primary Examiner Art Unit 1745

May 8, 2006